Author Index

Alcantara, A.R., see Evans, D.J. 119
Andersson, A., see Sanati, M. 51
Andersson, C., see Heinrich, B. 333
Babenko, V.P., see Talsi, E.P. 215
Babenko, V.P., see Talsi, E.P. 235
Basato, M., see Corain, B. 133
Basset, J.-M., see Carpentier, J.F. 1
Boccuzzi, F., Ghiotti, G. and Chiorino, A.
Adsorption and deuteration of acetone-d_6 on Pt/ZnO catalysts: an IR study of the effects of sample pretreatment 373
Bond, G.C.
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
Carpentier, J.F., Petit, F., Mortreux, A., Dufaud, V., Basset, J.-M. and Thivolle-Cazat, J.
Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
Chinakov, V.D., see Talsi, E.P. 215
Chinakov, V.D., see Talsi, E.P. 235
Chiorino, A., see Boccuzzi, F. 373
Cho, N.S., see Lee, C.W. 17
Clark, F.T., see Jehng, J.-M. 63
Corain, B., Basato, M. and Veronese, A.C.
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
Corain, B., see Keim, W. 167
Davydov, A., see Kantcheva, M. L25
De Oliveira, I.M.F. and Moutet, J.-C.
Electrocatalytic hydrogenation on a rhodium complex–polypyrrole film electrode: effect of the polymeric environment on the selectivity of the catalyst L19
Dieck, H.t., see Stephan, C. 313
Dufaud, V., see Carpentier, J.F. 1
Evans, D.J., Williams, A., Alcantara, A.R. and Pryce, R.J.
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
Fierro, J.L.G., see Medina, F. 363
Fierro, J.L.G., see Medina, F. 387
Ghiotti, G., see Boccuzzi, F. 373
Gobi, K.V., Ramaraj, R. and Kaneko, M.
Water oxidation catalyzed by heterogeneous Schiff base manganese complex L7
Grimblot, J., see Hubaut, R. 301
Hadjiivanov, K., see Kantcheva, M. L25
Hayashi, T., see Tanaka, M. 207
Heinrich, B., Hjortkjaer, J., Nikitidis, A. and Andersson, C.
Poly(trimethylolpropane) trimethacrylate-bound Rh-phosphine complexes as catalysts in continuous gas-phase hydroformylation of propene 333
Heller, D., see Schuldt, B. 195
Hermann, K., see Witko, M. 279
Hilal, H.S., Kim, C. and Schreiner, A.F.
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
Hjortkjaer, J., see Heinrich, B. 333
Huang, M. and Kaliaguine, S.
Propene aromatization over alkali-exchanged ZSM-5 zeolites 37
Hubaut, R., Poulet, O., Kasztelan, S. and Grimblot, J.
Hydrogenation of olefins on a MoS_2/γ-Al_2O_3 catalyst. Role of P, F and alkaline cation additives 301
Ishida, H., see Sagawa, T. L13
Jehng, J.-M., Wachs, I.E., Clark, F.T. and Springman, M.C.
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
Kaliaguine, S., see Huang, M. 37
Kaneko, M., see Gobi, K.V. L7
Kaneko, M., see Ramaraj, R. 319
Kantcheva, M., Davydov, A. and Hadjiivanov, K.
Spectroscopic study of the nature of vanadium-oxo species adsorbed on anatase L25
Kasztelan, S., see Hubaut, R. 301
Keim, W., Mastrorilli, P., Nobile, C.F., Ra-

vasio, N., Corain, B. and Zecca, M.
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
Kim, C., see Hilal, H.S. 157
Kim, K.D., see Lee, C.W. 17
Knifton, J.F. and Lin, J.J.
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
Kuriacose, J.C., see Rajagopal, S. 185
Lee, C.W., Lee, J.S., Lee, S.M., Kim, K.D., Cho, N.S. and Oh, J.S.
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
Lee, J.S., see Lee, C.W. 17
Lee, S.M., see Lee, C.W. 17
Lim, Y.Y. and Tan, E.H.L.
Rate enhancement of the autooxidation of 3,5-di-*tert*-butylcatechol in micellized copper(II) solutions L1
Lin, J.J., see Knifton, J.F. 27
Lopez-Salinas, E., Tomita, N., Matsui, T., Suzuki, E. and Ono*, Y.
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
Madeja, K., see Schuldt, B. 195
Mastrorilli, P., see Keim, W. 167
Matsui, T., see Lopez-Salinas, E. 397
Medina, F., Salagre, P., Sueiras, J.E. and Fierro, J.L.G.
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
Medina, F., Salagre, P., Sueiras, J.E. and Fierro, J.L.G.
Characterization of potassium-doped nickel catalysts and activity for selective hydrogenation of 1,6-hexanedinitrile 387
Mériaudeau, P., Sapaly, G. and Naccache, C.
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
Mi, Z.-Y., see Tanaka, M. 207
Mishra, S.K., see Panigrahi, G.P. 349
Mortreux, A., see Carpentier, J.F. 1
Moutet, J.-C., see De Oliveira, I.M.F. L19
Naccache, C., see Mériaudeau, P. 293
Nikitidis, A., see Heinrich, B. 333
Nobile, C.F., see Keim, W. 167
Oh, J.S., see Lee, C.W. 17
Ohkubo, K., see Sagawa, T. L13
Ono*, Y., see Lopez-Salinas, E. 397
Panigrahi, G.P. and Mishra, S.K.
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
Petit, F., see Carpentier, J.F. 1
Poulet, O., see Hubaut, R. 301
Pryce, R.J., see Evans, D.J. 119
Rajagopal, S., Vancheesan, S., Rajaram, J. and Kuriacose, J.C.
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine) ruthenium(II) 185
Rajaram, J., see Rajagopal, S. 185
Ramaraj, R., see Gobi, K.V. L7
Ramaraj, R. and Kaneko, M.
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
Ravasio, N., see Keim, W. 167
Rigutto, M.S. and Van Bekkum, H.
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
Roan, B.L., see Yamashita, H. 255
Sachtler, W.M.H., see Sheu, L.L. 267
Sagawa, T., Ishida, H., Urabe, K., Yoshinaga, K. and Ohkubo, K.
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13
Sakakura, T., see Yamashita, H. 255
Salagre, P., see Medina, F. 363
Salagre, P., see Medina, F. 387
Sanati, M. and Andersson, A.
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
Sapaly, G., see Mériaudeau, P. 293

Schreiner, A.F., see Hilal, H.S. 157
Schuldt, B., Heller, D., Storz, F. and Madeja, K.
Ziegler systems as hydrogenation catalysts. Part 1. $CoBr_2/Li[AlH(O\text{-}t\text{-}butyl)_3]_3$ system as a catalyst for the hydrogenation of anthracene 195
Sheu, L.L. and Sachtler, W.M.H.
Detection by CO–FTIR of incipient metal-support interaction in Rh/SiO_2 and Pd/TiO_2 267
Sidelnikov, V.N., see Talsi, E.P. 215
Springman, M.C., see Jehng, J.-M. 63
Stephan, C. and Dieck, H.t.
Pallada- and platinacycles. Part IV. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate – the reaction of an α-alkynyl metallacyclopentadiene 313
Storz, F., see Schuldt, B. 195
Sueiras, J.E., see Medina, F. 363
Sueiras, J.E., see Medina, F. 387
Suzuki, E., see Lopez-Salinas, E. 397
Talsi, E.P., Chinakov, V.D., Babenko, V.P., Sidelnikov, V.N. and Zamaraev, K.I.
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215
Talsi, E.P., Chinakov, V.D., Babenko, V.P. and Zamaraev, K.I.
Role of vanadium alkylperoxo complexes in epoxidation of cyclohexene and oxidation of cyclohexane by organic hydroperoxides in the presence of bis(acetylacetonato)vanadyl 235
Tan, E.H.L., see Lim, Y.Y. L1
Tanaka, M., Hayashi, T. and Mi, Z.-Y.
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
Tanaka, M., see Yamashita, H. 255
Thivolle-Cazat, J., see Carpentier, J.F. 1
Tomita, N., see Lopez-Salinas, E. 397
Urabe, K., see Sagawa, T. L13
Van Bekkum, H., see Rigutto, M.S. 77
Vancheesan, S., see Rajagopal, S. 185
Veronese, A.C., see Corain, B. 133
Wachs, I.E., see Jehng, J.-M. 63
Williams, A., see Evans, D.J. 119
Witko, M. and Hermann, K.
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
Yamashita, H., Roan, B.L., Sakakura, T. and Tanaka, M.
Hydroformylation of ethyl acrylate catalyzed by $Rh(acac)(CO)_2$–phosphorus ligand systems 255
Yoshinaga, K., see Sagawa, T. L13
Zamaraev, K.I., see Talsi, E.P. 215
Zamaraev, K.I., see Talsi, E.P. 235
Zecca, M., see Keim, W. 167

Subject Index

acetone deuteration
Adsorption and deuteration of acetone-d_6 on Pt/ZnO catalysts: an IR study of the effects of sample pretreatment 373
acrylate
Hydroformylation of ethyl acrylate catalyzed by $Rh(acac)(CO)_2$-phosphorus ligand systems 255
adiponitrile
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
alkali ZSM-5
Propene aromatization over alkali-exchanged ZSM-5 zeolites 37
alkoxyalanates
Ziegler systems as hydrogenation catalysts Part 1. $CoBr_2/Li[AlH(O\text{-}t\text{-}butyl)_3]_3$ system as a catalyst for the hydrogenation of anthracene 195
alkylperoxo complexes
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215
Role of vanadium alkylperoxo complexes in epoxidation of cyclohexene and oxidation of cyclohexane by organic hydroperoxides in the presence of bis(acetylacetonato)vanadyl 235
α alkynyl metallacyclopentadiene
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate – the reaction of an α-alkynyl metallacyclopentadiene 313
allyl chloride
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
alumina
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
Hydrogenation of olefins on a MoS_2/γ-Al_2O_3 catalyst. Role of P, F and alkaline cation additives 301
aluminium
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
amine synthesis
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
6-aminohexanenitrile
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
ammonia
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
ammoxidation
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
anatase
Spectroscopic study of the nature of vanadium-oxo species adsorbed on anatase L25
anthracene
Ziegler systems as hydrogenation catalysts Part 1. $CoBr_2/Li[AlH(O\text{-}t\text{-}butyl)_3]_3$ system as a catalyst for the hydrogenation of anthracene 195
aromatization
Propene aromatization over alkali-exchanged ZSM-5 zeolites 37
autooxidation
Rate enhancement of the autooxidation of 3,5-di-*tert*-butylcatechol in micellized copper(II) solutions L1
benzylic oxidation
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-

phase alkene epoxidation and benzylic oxidation 77
bound rhodium catalyst
Poly(trimethylolpropane) trimethacrylate-bound Rh-phosphine complexes as catalysts in continuous gas-phase hydroformylation of propene 333
bovine serum albumin
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13
calcination temperatures
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
carbon–carbon bond formation
Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
carbon–carbonβ-carbonylenolato complexes
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
carbon monoxide
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
carbonylation
Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
carbonyl complexes
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
carbonyl compounds
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
catechol derivatives
Rate enhancement of the autooxidation of 3,5-di-*tert*-butylcatechol in micellized copper(II) solutions L1
characterization
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
chemisorption
Adsorption and deuteration of acetone-d_6 on Pt/ZnO catalysts: an IR study of the effects of sample pretreatment 373
chloride ligands
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
chromic acid
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
cluster model studies
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
cobalt
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
Ziegler systems as hydrogenation catalysts Part 1. $CoBr_2$/Li[AlH(*O*-*t*-butyl)$_3$]$_3$ system as a catalyst for the hydrogenation of anthracene 195
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215
copper
Rate enhancement of the autooxidation of 3,5-di-*tert*-butylcatechol in micellized copper(II) solutions L1
cross-linked polymer
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
cumene hydroperoxide
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215

cyclization
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate – the reaction of an α-alkynyl metallacyclopentadiene 313
cyclohexane
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215
cyclohexene
Role of vanadium alkylperoxo complexes in epoxidation of cyclohexene and oxidation of cyclohexane by organic hydroperoxides in the presence of bis(acetylacetonato)vanadyl 235
β-dicarbonyls
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
diffuse-reflectance UV–Vis spectroscopy
Spectroscopic study of the nature of vanadium-oxo species adsorbed on anatase L25
2,3-dioxygenase poly(ethylene glycol)
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13
diphenylurea
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
dipropargyl acetylenedicarboxylate
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate – the reaction of an α-alkynyl metallacyclopentadiene 313
DRIFT study
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
electrocatalytic hydrogenation
Electrocatalytic hydrogenation on a rhodium complex–polypyrrole film electrode: effect of the polymeric environment on the selectivity of the catalyst L19
epoxidation
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
Role of vanadium alkylperoxo complexes in epoxidation of cyclohexene and oxidation of cyclohexane by organic hydroperoxides in the presence of bis(acetylacetonato)vanadyl 235
EUROPT-3
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
EUROPT-4
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
Fourier-transform infrared spectroscopy
Adsorption and deuteration of acetone-d_6 on Pt/ZnO catalysts: an IR study of the effects of sample pretreatment 373
framework
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
fructose
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine) ruthenium(II) 185
gallium
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
halide exchange
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
2(3*H*)-benzofuranone derivatives
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate – the reaction of an α-alkynyl metallacyclopentadiene 313
hexene
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157

homogeneous catalysis
Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
hydrocarbon transformations
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
hydroformylation
Hydroformylation of ethyl acrylate catalyzed by $Rh(acac)(CO)_2$–phosphorus ligand systems 255
Poly(trimethylolpropane) trimethacrylate-bound Rh-phosphine complexes as catalysts in continuous gas-phase hydroformylation of propene 333
hydrogen adsorption
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
hydrogenation
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine) ruthenium(II) 185
Ziegler systems as hydrogenation catalysts Part 1. $CoBr_2/Li[AlH(O\text{-}t\text{-}butyl)_3]_3$ system as a catalyst for the hydrogenation of anthracene 195
Hydrogenation of olefins on a MoS_2/γ-Al_2O_3 catalyst. Role of P, F and alkaline cation additives 301
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
hydrosilylation
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
hydroxyl desorption
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
β-iminoenolato complexes
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
immobilised enzyme
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
incipient metal–support interaction
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
infrared spectroscopy
Spectroscopic study of the nature of vanadium-oxo species adsorbed on anatase L25
iron oxide
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
isocyanide polymers
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
isomorphic ligand exchange
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
lactic acid
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
ligand effects
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
localization
Spectroscopic study of the nature of vanadium-oxo species adsorbed on anatase L25
magnesium
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
manganese
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13

Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
manganese complexes
Water oxidation catalyzed by heterogeneous Schiff base manganese complex L7
metal catalysis
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
metal–support interaction
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
Mg–Al double hydroxide
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
micellar catalysis
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
micellized solutions
Rate enhancement of the autooxidation of 3,5-di-*tert*-butylcatechol in micellized copper(II) solutions L1
Michael addition
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
microgels
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
molybdenum disulphide
Hydrogenation of olefins on a MoS_2/γ-Al_2O_3 catalyst. Role of P, F and alkaline cation additives 301
molybdenum oxide
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
Nafion
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
nickel
Structural characteristics and catalytic performance of nickel catalysts for selective hydrogenation of 1,6-hexanedinitrile 363
Reactivity of interstitial $[NiCl_4]^{2-}$ complex anions in a Mg–Al hydrotalcite-like clay towards alkyl bromides in the liquid phase 397
nitriles
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
nitrobenzene
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
NMR
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
olefins
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
Hydrogenation of olefins on a MoS_2/γ-Al_2O_3 catalyst. Role of P, F and alkaline cation additives 301
organic solvents
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
oxidation
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
Role of alkylperoxo complexes of cobalt(III) in catalytic oxidation of cyclohexane by cumene hydroperoxide in the presence of bis(acetylacetonato)cobalt(II) 215
In situ spectrocyclic voltammetric studies

on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
palladacycles
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate - the reaction of an α-alkynyl metallacyclopentadiene 313
palladium
Palladium-catalyzed carbon–carbon bond formation from $(\eta^6$-chloroarene$)Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
Palladium-catalyzed *N,N'*-diphenylurea synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
palladium acetate
Catalytic activity of $Pd(AcO)_2$ coordinated to cross-linked polymeric isocyanides 167
pentasil-like zeolites
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
phenyl esters
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
phosphine-containing graft copolymer
Poly(trimethylolpropane) trimethacrylate-bound Rh-phosphine complexes as catalysts in continuous gas-phase hydroformylation of propene 333
phosphine ligands
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine) ruthenium(II) 185
platinacycles
Pallada- and platinacycles: Part IV[1]. The palladium- and platinum-catalyzed selective cyclisation of dipropargyl acetylenedicarboxylate - the reaction of an α-alkynyl metallacyclopentadiene 313
platinum
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
platinum–zinc oxide catalyst
Adsorption and deuteration of acetone-d_6 on Pt/ZnO catalysts: an IR study of the effects of sample pretreatment 373
polypyrrole film electrode
Electrocatalytic hydrogenation on a rhodium complex–polypyrrole film electrode: effect of the polymeric environment on the selectivity of the catalyst L19
poly(trimethylolpropene)trimethacrylate
Poly(trimethylolpropane) trimethacrylate-bound Rh-phosphine complexes as catalysts in continuous gas-phase hydroformylation of propene 333
porphyrin
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
propane
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
propene
Propene aromatization over alkali-exchanged ZSM-5 zeolites 37
pyridine derivatives
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
Raman spectroscopy
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
redox molecular sieves
Vanadium site in VAPO-5: characteriza-

tion and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
review
Metal-catalysed carbon–carbon bond formation in the reaction of β-dicarbonyls with nitriles 133
rhenium
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
rhodium
Electrocatalytic hydrogenation on a rhodium complex–polypyrrole film electrode: effect of the polymeric environment on the selectivity of the catalyst L19
Hydroformylation of ethyl acrylate catalyzed by $Rh(acac)(CO)_2$–phosphorus ligand systems 255
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
Ru-brown complex
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
Ru-red complex
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
ruthenium
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine)ruthenium(II) 185
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
Schiff base complexes
Water oxidation catalyzed by heterogeneous Schiff base manganese complex L7
selectivity
Electrocatalytic hydrogenation on a rhodium complex–polypyrrole film electrode: effect of the polymeric environment on the selectivity of the catalyst L19
silane coupling agent
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
silica
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
siloxane polymer
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
sodium lauryl sulphate
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
sorption
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
specificity
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
spectrocyclic voltammetry
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
strong metal–support interaction
Detection by CO–FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
subtilisin
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
supported catalyst
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
supported catalysts

Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
Catalytic properties of 0.3% Pt/Al_2O_3 (EUROPT-3) and of 0.3% Pt–0.3% Re/Al_2O_3 (EUROPT-4) 99
supported catalyst
Investigation of the catalytic activity of poly(siloxane)-supported tetra(4-pyridyl)porphyrinatomanganese(III) in olefin oxidation reactions 157
surfactant
Micellar-catalysis: effect of sodium lauryl sulphate in the oxidation of lactic acid by chromic acid 349
syngas
Syngas reactions part XV. Primary amine syntheses from olefins, syngas and ammonia 27
titania
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
Detection by CO-FTIR of incipient metal–support interaction in Rh/SiO_2 and Pd/TiO_2 267
toluene
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
transesterification
Specificity to leaving group in transesterification of substituted phenyl esters in organic solvents catalysed by subtilisin–microgel sols 119
transfer hydrogenation
Hydrogenation and transfer hydrogenation of D-fructose catalyzed by dichlorotris(triphenylphosphine)ruthenium(II) 185
tricarbonylchromium
Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1
trimethoxysilane
Ruthenium complex-catalyzed hydrosilylation of allyl chloride with trimethoxysilane 207
tryptophan 2,3-dioxygenase
Tryptophan 2,3-dioxygenase-like activity of manganese(III) porphyrin bound to bovine serum albumin modified with poly(ethylene glycol) L13
vanadia
Hydrogen adsorption and OH desorption at vanadium pentoxide surfaces: *ab initio* cluster model studies 279
vanadia catalyst
DRIFT study of the oxidation and the ammoxidation of toluene over a TiO_2(B)-supported vanadia catalyst 51
vanadium
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
Role of vanadium alkylperoxo complexes in epoxidation of cyclohexene and oxidation of cyclohexane by organic hydroperoxides in the presence of bis(acetylacetonato)vanadyl 235
vanadium oxide
Raman characterization of alumina supported Mo–V–Fe catalysts: influence of calcination temperature 63
VAPO-5
Vanadium site in VAPO-5: characterization and catalytic properties in liquid-phase alkene epoxidation and benzylic oxidation 77
water
In situ spectrocyclic voltammetric studies on Ru-red and Ru-brown complexes for water oxidation catalyst in homogeneous aqueous solution and in heterogeneous Nafion membrane 319
water oxidation
Water oxidation catalyzed by heterogeneous Schiff base manganese complex L7
zeolites
Framework and non-framework gallium in pentasil-like zeolite as studied in the reaction of propane 293
Ziegler systems
Ziegler systems as hydrogenation catalysts Part 1. $CoBr_2/Li[AlH(O\text{-}t\text{-}butyl)_3]_3$ system as a catalyst for the hydrogenation of anthracene 195
Key words: aniline
Palladium-catalyzed *N,N'*-diphenylurea

synthesis from nitrobenzene, aniline, and carbon monoxide: Part 4. Ligand effects 17
Key words: arene ligands

Palladium-catalyzed carbon–carbon bond formation from (η^6-chloroarene)$Cr(CO)_3$ complexes: an example of bimetallic activation in homogeneous catalysis 1